

R-PEAK DETECTION CORRECTIONS FOR IMPROVED CARDIAC GATED RECONSTRUCTION

Abstract of Disclosure

A method and apparatus for use with a gated CT imaging system for correcting for Rpeak errors in a heart beat signal, the method including identifying heart rate corresponding to each specific heart beating cycle and comparing the heart rate for each specific cycle to moving averages to determine when a likely Rpeak error has occurred and, when a likely error has occurred, modifying the heart beat signal to generate a more accurate signal and thereby render more accurate gated images.

Figures